



STEVEN A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
Governor

June 22, 2012

Mr. James Shepherd, Project Manager
US Nuclear Regulatory Commission
Decommissioning Branch, Division of Waste Management
Washington D.C. 20555

Subject: Site Characterization Report Addendum - Targeted Brownfield Assessment, Muskogee Port Authority, Muskogee County, Oklahoma, and Associated Recent Water Level Data from former Northwest Property Area
NRC Public Meeting at FMRI, 10 Tantalum Place, Muskogee, OK – License SMB-0911

Dear Mr. Shepherd:

At the May 16, 2012 Public Meeting at FMRI concerning the NRC License Change Request, Mr. Paul Davis raised the issue of Trichloroethylene (TCE) dissolved in the ground water in the former Northwest Property Area transferred to the Muskogee City/County Port Authority (Port Property). Three important points from our work there are:

- Hydraulic gradients are northerly in the Port Property, in contrast to easterly gradients reported in the NRC Licensed area;
- TCE concentrations as high as 37,000 ug/l were observed in the ground water, and appear to be highest along the southern property line, which the Port shares with FMRI; and
- FMRI has consistently declined to share analytical results for chlorinated hydrocarbons in ground water in adjacent wells or to allow DEQ to sample the ground water from FMRI wells.

At the public meeting, Mr. Davis offered to share with NRC a copy of a report documenting the hydraulic gradient information and analytical results. Accordingly, attached is a copy in electronic format on compact disk of the report "Site Characterization Report Addendum, Targeted Brownfield Assessment, Muskogee Port Authority, Muskogee County, Oklahoma," dated May 3, 2011, and a separate table of the GPS Coordinates, surveyed well elevations, and water level elevations in the five monitor wells installed on the Port Property.

If you have questions or comments, please contact me by email at Mike.Broderick@deq.ok.gov, or by telephone at (405) 702-5155, or Paul Davis at j.paul.davis@deq.ok.gov, or by telephone at 405-702-5132.

Sincerely,

Mike Broderick
Environmental Programs Manager
Land Protection Division

c. Scott Robinson, Muskogee Port Authority
Robert Compennolle, FMRI
Greg Marshall, GLA-1

Enclosure: CD-ROM

